

# Cassandra D Josephson

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

3,330  
citations

172207

29  
h-index

174990

52  
g-index

130  
all docs

130  
docs citations

130  
times ranked

3283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Red Blood Cell Transfusion, Anemia, and Necrotizing Enterocolitis in Very Low-Birth-Weight Infants. JAMA - Journal of the American Medical Association, 2016, 315, 889.	3.8	227
2	Blood Transfusion and Breast Milk Transmission of Cytomegalovirus in Very Low-Birth-Weight Infants. JAMA Pediatrics, 2014, 168, 1054.	3.3	139
3	Transfusion in the Patient With Sickle Cell Disease: A Critical Review of the Literature and Transfusion Guidelines. Transfusion Medicine Reviews, 2007, 21, 118-133.	0.9	136
4	Consensus Recommendations for RBC Transfusion Practice in Critically Ill Children From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. Pediatric Critical Care Medicine, 2018, 19, 884-898.	0.2	132
5	Implementation of a pediatric trauma massive transfusion protocol: one institution's experience. Transfusion, 2012, 52, 1228-1236.	0.8	123
6	Do Red Cell Transfusions Increase the Risk of Necrotizing Enterocolitis in Premature Infants?. Journal of Pediatrics, 2010, 157, 972-978.e3.	0.9	111
7	ABO-mismatched platelet transfusions: Strategies to mitigate patient exposure to naturally occurring hemolytic antibodies. Transfusion and Apheresis Science, 2010, 42, 83-88.	0.5	111
8	Impact of red blood cell alloimmunization on sickle cell disease mortality: a case series. Transfusion, 2016, 56, 107-114.	0.8	111
9	ABO blood group and COVID-19: a review on behalf of the ISBT COVID-19 Working Group. Vox Sanguinis, 2021, 116, 849-861.	0.7	108
10	Bleeding risks are higher in children versus adults given prophylactic platelet transfusions for treatment-induced hypoproliferative thrombocytopenia. Blood, 2012, 120, 748-760.	0.6	107
11	Metabolomics of ADSOL (AS-1) Red Blood Cell Storage. Transfusion Medicine Reviews, 2014, 28, 41-55.	0.9	83
12	The SARS-CoV-2 receptor-binding domain preferentially recognizes blood group A. Blood Advances, 2021, 5, 1305-1309.	2.5	83
13	Daratumumab (anti-CD38) induces loss of CD38 on red blood cells. Blood, 2017, 129, 3033-3037.	0.6	71
14	2015 proceedings of the National Heart, Lung, and Blood Institute's State of the Science in Transfusion Medicine symposium. Transfusion, 2015, 55, 2282-2290.	0.8	67
15	Immunophenotypic parameters and RBC alloimmunization in children with sickle cell disease on chronic transfusion. American Journal of Hematology, 2015, 90, 1135-1141.	2.0	66
16	Platelet Transfusion Practices Among Very-Low-Birth-Weight Infants. JAMA Pediatrics, 2016, 170, 687.	3.3	66
17	Effect of Fresh vs Standard-issue Red Blood Cell Transfusions on Multiple Organ Dysfunction Syndrome in Critically Ill Pediatric Patients. JAMA - Journal of the American Medical Association, 2019, 322, 2179.	3.8	62
18	Red blood cell specifications for patients with hemoglobinopathies: a systematic review and guideline. Transfusion, 2018, 58, 1555-1566.	0.8	55

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19	Inhibiting GPIb $\alpha$ Shedding Preserves Post-Transfusion Recovery and Hemostatic Function of Platelets After Prolonged Storage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1821-1828.	1.1	50
20	Metabolomics profile comparisons of irradiated and nonirradiated stored donor red blood cells. <i>Transfusion</i> , 2015, 55, 544-552.	0.8	49
21	Feeding Preterm Infants during Red Blood Cell Transfusion Is Associated with a Decline in Postprandial Mesenteric Oxygenation. <i>Journal of Pediatrics</i> , 2014, 165, 464-471.e1.	0.9	48
22	Therapeutic plasma exchange for COVID-19-associated hyperviscosity. <i>Transfusion</i> , 2021, 61, 1029-1034.	0.8	47
23	Variation in Neonatal Transfusion Practice. <i>Journal of Pediatrics</i> , 2021, 235, 92-99.e4.	0.9	45
24	Life-Threatening Bleeding in Children: A Prospective Observational Study. <i>Critical Care Medicine</i> , 2021, 49, 1943-1954.	0.4	44
25	Refrigeration-Induced Binding of von Willebrand Factor Facilitates Fast Clearance of Refrigerated Platelets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2271-2279.	1.1	42
26	A novel approach to standardised recording of bleeding in a high risk neonatal population. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013, 98, F260-F263.	1.4	41
27	Red blood cell minor antigen mismatches during chronic transfusion therapy for sickle cell anemia. <i>Transfusion</i> , 2017, 57, 2738-2746.	0.8	36
28	Anemia induces gut inflammation and injury in an animal model of preterm infants. <i>Transfusion</i> , 2019, 59, 1233-1245.	0.8	36
29	Glucose-6-phosphate dehydrogenase deficient red blood cell units are associated with decreased posttransfusion red blood cell survival in children with sickle cell disease. <i>American Journal of Hematology</i> , 2018, 93, 630-634.	2.0	34
30	Marginal zone B cells mediate a CD4 T-cell-dependent extrafollicular antibody response following RBC transfusion in mice. <i>Blood</i> , 2021, 138, 706-721.	0.6	34
31	Recent advances in transfusions in neonates/infants. <i>F1000Research</i> , 2018, 7, 609.	0.8	31
32	A multidisciplinary "think tank" the top 10 clinical trial opportunities in transfusion medicine from the National Heart, Lung, and Blood Institute-sponsored 2009 state-of-the-science symposium. <i>Transfusion</i> , 2011, 51, 828-841.	0.8	30
33	Clinical use of Convalescent Plasma in the COVID-19 pandemic: a transfusion-focused gap analysis with recommendations for future research priorities. <i>Vox Sanguinis</i> , 2021, 116, 88-98.	0.7	30
34	Prevention of Transfusion-Transmitted Cytomegalovirus in Low-Birth Weight Infants ( $\leq 1500$ g) Using Cytomegalovirus-Seronegative and Leukoreduced Transfusions. <i>Transfusion Medicine Reviews</i> , 2011, 25, 125-132.	0.9	29
35	Innate immunity against molecular mimicry: Examining galectin-mediated antimicrobial activity. <i>BioEssays</i> , 2015, 37, 1327-1337.	1.2	27
36	Observational study of haemostatic dysfunction and bleeding in neonates with hypoxic-ischaemic encephalopathy. <i>BMJ Open</i> , 2017, 7, e013787.	0.8	26

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37	Enteral iron supplementation, red blood cell transfusion, and risk of bronchopulmonary dysplasia in veryâ€lowâ€birthâ€weight infants. <i>Transfusion</i> , 2019, 59, 1675-1682.	0.8	26
38	Integrated automated particle tracking microfluidic enables highâ€throughput cell deformability cytometry for red cell disorders. <i>American Journal of Hematology</i> , 2019, 94, 189-199.	2.0	26
39	Examining the Role of Complement in Predicting, Preventing, and Treating Hemolytic Transfusion Reactions. <i>Transfusion Medicine Reviews</i> , 2019, 33, 217-224.	0.9	23
40	Platelet transfusion practices in immune thrombocytopenia related hospitalizations. <i>Transfusion</i> , 2019, 59, 169-176.	0.8	23
41	COVID-19 convalescent plasma clears SARS-CoV-2 refractory to remdesivir in an infant with congenital heart disease. <i>Blood Advances</i> , 2020, 4, 4278-4281.	2.5	23
42	Comparison of Antibody Class-Specific SARS-CoV-2 Serologies for the Diagnosis of Acute COVID-19. <i>Journal of Clinical Microbiology</i> , 2021, 59, .	1.8	23
43	Hematological predictors of mortality in neonates with fulminant necrotizing enterocolitis. <i>Journal of Perinatology</i> , 2021, 41, 1110-1121.	0.9	23
44	Use of Antifibrinolytics in Pediatric Life-Threatening Hemorrhage: A Prospective Observational Multicenter Study. <i>Critical Care Medicine</i> , 2022, 50, e382-e392.	0.4	23
45	Eculizumab for complement mediated thrombotic microangiopathy in sickle cell disease. <i>Haematologica</i> , 2020, 105, 2887-2891.	1.7	22
46	2016 proceedings of the National Heart, Lung, and Blood Institute's scientific priorities in pediatric transfusion medicine. <i>Transfusion</i> , 2017, 57, 1568-1581.	0.8	20
47	Recommendations on RBC Transfusion Support in Children With Hematologic and Oncologic Diagnoses From the Pediatric Critical Care Transfusion and Anemia Expertise Initiative. <i>Pediatric Critical Care Medicine</i> , 2018, 19, S149-S156.	0.2	20
48	Association of Blood Donor Sex and Age With Outcomes in Very Low-Birth-Weight Infants Receiving Blood Transfusion. <i>JAMA Network Open</i> , 2021, 4, e2123942.	2.8	20
49	One size will never fit all: the future of research in pediatric transfusion medicine. <i>Pediatric Research</i> , 2014, 76, 425-431.	1.1	19
50	Hemoglobin A clearance in children with sickle cell anemia on chronic transfusion therapy. <i>Transfusion</i> , 2018, 58, 1363-1371.	0.8	19
51	Transfusion practices in a large cohort of hospitalized children. <i>Transfusion</i> , 2021, 61, 2042-2053.	0.8	19
52	Peritransplantation Red Blood Cell Transfusion Is Associated with Increased Risk of Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 973-982.	2.0	18
53	Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2020, 105, 259-265.	1.4	18
54	Teenage Blood Donors: Are We Asking Too Little and Taking Too Much?. <i>Pediatrics</i> , 2017, 139, .	1.0	17

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55	Neonatal Transfusion Medicine. Clinics in Perinatology, 2015, 42, 499-513.	0.8	16
56	Formative Usability Testing Reduces Severe Blood Product Ordering Errors. Applied Clinical Informatics, 2019, 10, 981-990.	0.8	16
57	Neonatal and pediatric platelet transfusions: current concepts and controversies. Current Opinion in Hematology, 2019, 26, 466-472.	1.2	16
58	Perioperative Transfusions and Venous Thromboembolism. Pediatrics, 2020, 145, .	1.0	16
59	Are We Forgetting About IgA? A Re-examination of Coronavirus Disease 2019 Convalescent Plasma. Transfusion, 2021, 61, 1740-1748.	0.8	16
60	The Recipient Epidemiology and Donor Evaluation <sc>Study</sc> (REDS): A research program striving to improve blood donor safety and optimize transfusion outcomes across the lifespan. Transfusion, 2022, 62, 982-999.	0.8	16
61	Storage Age of Red Blood Cells for Transfusion of Premature Infants. JAMA - Journal of the American Medical Association, 2013, 309, 544.	3.8	15
62	Epidemiology of Necrotizing Enterocolitis. Clinics in Perinatology, 2019, 46, 101-117.	0.8	15
63	Transfusion in Neonatal Patients. Clinics in Laboratory Medicine, 2021, 41, 15-34.	0.7	15
64	Transfusion practices for patients with sickle cell disease at major academic medical centers participating in the Atlanta Sickle Cell Consortium. Immunoematology, 2012, 28, 24-26.	0.2	15
65	Challenges in preventing and treating hemolytic complications associated with red blood cell transfusion. Transfusion Clinique Et Biologique, 2019, 26, 130-134.	0.2	14
66	Sex-specific cytokine responses and neurocognitive outcome after blood transfusions in preterm infants. Pediatric Research, 2021, , .	1.1	14
67	Transfusion Practices in Pediatric Cardiac Surgery Requiring Cardiopulmonary Bypass: A Secondary Analysis of a Clinical Database. Pediatric Critical Care Medicine, 2021, 22, 978-987.	0.2	14
68	Clinical uses of plasma and plasma fractions: plasma-derived products for hemophilias A and B, and for von Willebrand disease. Best Practice and Research in Clinical Haematology, 2006, 19, 35-49.	0.7	13
69	Short-Acting Anti-VWF (von Willebrand Factor) Aptamer Improves the Recovery, Survival, and Hemostatic Functions of Refrigerated Platelets. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2028-2037.	1.1	13
70	Health literacy and knowledge of chronic transfusion therapy in adolescents with sickle cell disease and caregivers. Pediatric Blood and Cancer, 2019, 66, e27733.	0.8	11
71	Antigen density dictates RBC clearance, but not antigen modulation, following incompatible RBC transfusion in mice. Blood Advances, 2021, 5, 527-538.	2.5	11
72	The new albumin-free recombinant factor VIII concentrates for treatment of hemophilia: do they represent an actual incremental improvement?. Clinical Advances in Hematology and Oncology, 2004, 2, 441-6.	0.3	11

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73	Statistical methods for characterizing transfusion-related changes in regional oxygenation using near-infrared spectroscopy (NIRS) in preterm infants. <i>Statistical Methods in Medical Research</i> , 2019, 28, 2710-2723.	0.7	10
74	Transfusion practices for pediatric oncology and hematopoietic stem cell transplantation patients: Data from the <scp>National Heart Lung and Blood Institute Recipient Epidemiology and Donor Evaluation Studyâ€œIII (REDSâ€œIII)</scp>. <i>Transfusion</i> , 2021, 61, 2589-2600.	0.8	10
75	Clodronate inhibits alloimmunization against distinct red blood cell alloantigens in mice. <i>Transfusion</i> , 2022, 62, 948-953.	0.8	10
76	Hyperleukocytosis in infant acute leukemia: a role for manual exchange transfusion for leukoreduction. <i>Transfusion</i> , 2018, 58, 1149-1156.	0.8	9
77	Current state of transfusion practices for ABOâ€œincompatible pediatric heart transplant patients in the United States and Canada. <i>Transfusion</i> , 2018, 58, 2243-2249.	0.8	9
78	Transfusion Considerations in Pediatric Hematology and Oncology Patients. <i>Hematology/Oncology Clinics of North America</i> , 2016, 30, 695-709.	0.9	8
79	Does red blood cell irradiation and/or anemia trigger intestinal injury in premature infants with birth weightâ€œ%â€œ%1250g? An observational birth cohort study. <i>BMC Pediatrics</i> , 2018, 18, 270.	0.7	7
80	Preoperative Anemia and Neonates. <i>JAMA Pediatrics</i> , 2016, 170, 835.	3.3	6
81	Long-term stability of CMV DNA in human breast milk. <i>Journal of Clinical Virology</i> , 2018, 102, 39-41.	1.6	6
82	Sex Differences in the Association of Pretransfusion Hemoglobin Levels with Brain Structure and Function in the Preterm Infant. <i>Journal of Pediatrics</i> , 2022, 243, 78-84.e5.	0.9	6
83	Glucoseâ€œphosphate dehydrogenase deficiency is more prevalent in Duffyâ€œnull red blood cell transfusion in sickle cell disease. <i>Transfusion</i> , 2022, , .	0.8	5
84	Safety and tolerability of solvent/detergentâ€œtreated plasma for pediatric patients requiring therapeutic plasma exchange: An openâ€œlabel, multicenter, postmarketing study. <i>Transfusion</i> , 2022, 62, 396-405.	0.8	5
85	CD36 immunization in a patient undergoing hematopoietic stem cell transplantation. <i>Pediatric Blood and Cancer</i> , 2008, 50, 660-662.	0.8	4
86	Pediatric and Neonatal Transfusion Medicine: A Roadmap for Research. <i>Transfusion Medicine Reviews</i> , 2016, 30, 157-158.	0.9	4
87	Transfusion-transmitted malaria masquerading as sickle cell crisis with multisystem organ failure. <i>Transfusion</i> , 2018, 58, 1550-1554.	0.8	4
88	Blood transfusions in gunshotâ€œwoundâ€œrelated emergency department visits and hospitalizations in the United States. <i>Transfusion</i> , 2021, 61, 2277-2289.	0.8	3
89	Associated comorbidities, healthcare utilization & mortality in hospitalized patients with haemophilia in the United States: Contemporary nationally representative estimates. <i>Haemophilia</i> , 2022, , .	1.0	3
90	Bacterial Contamination of Platelets for Transfusion: Recent Advances and Issues. <i>Laboratory Medicine</i> , 2005, 36, 767-770.	0.8	2

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91	Mizuho hemoglobinopathy, presenting with severe hemolytic anemia and multisystem organ failure secondary to exertion. <i>Transfusion</i> , 2021, 61, 1996-1997.	0.8	2
92	Survey to inform trial of low-titer group O whole blood compared to conventional blood components for children with severe traumatic bleeding. <i>Transfusion</i> , 2021, 61, S43-S48.	0.8	2
93	Phase II Trial of Rituximab in the Treatment of Inhibitors in Congenital Hemophilia A: Results of the RICH Study. <i>Blood</i> , 2011, 118, 27-27.	0.6	2
94	Procedural adverse events in pediatric patients with sickle cell disease undergoing chronic automated red cell exchange. <i>Transfusion</i> , 2022, 62, 584-593.	0.8	2
95	Neutralizing Antibodies Against Factor VIII Can Occur Through a Non-Germinal Center Pathway. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	2
96	Influence of user-centered clinical decision support on pediatric blood product ordering errors.. <i>Blood Transfusion</i> , 2022, , .	0.3	2
97	Platelet Transfusion Thresholds In Neonates: Substantial Differences Between U.S. and Europe. <i>Blood</i> , 2010, 116, 3356-3356.	0.6	1
98	The authors reply. <i>Critical Care Medicine</i> , 2022, 50, e409-e410.	0.4	1
99	A case of Tn polyagglutination discovered by an ABO blood group discrepancy. <i>Transfusion</i> , 0, , .	0.8	1
100	Blood transfusion/preoperative considerations and complications. , 0, , 269-284.		0
101	Polycythemia in an infant secondary to granulocyte transfusions. <i>Pediatric Blood and Cancer</i> , 2011, 57, 1236-1238.	0.8	0
102	Changes in hospital human tissue oversight in the United States between 2005 and 2011: results of a follow-up AABB survey. <i>Transfusion</i> , 2014, 54, 224-230.	0.8	0
103	Platelet and plasma transfusions for infants and children. , 2016, , 542-548.		0
104	A double spike causes double trouble. <i>Transfusion</i> , 2019, 59, 2191-2192.	0.8	0
105	COVID-19 convalescent plasma donor recruitment experience from the perspective of a hospital transfusion medicine service. <i>Transfusion</i> , 2021, 61, 2213-2215.	0.8	0
106	High-Throughput Amplification and Detection of Human Erythrocyte Antigen (HEA) Nucleotide Polymorphisms From Leukocyte Reduced Red Blood Cell (RBC) Units: Implications for Minor RBC Antigen Inventory Management by Hospital Transfusion Services. <i>Blood</i> , 2010, 116, 3348-3348.	0.6	0
107	Anemic Conditions Acceptable in Restrictive Transfusion Practice Induce Gut Inflammation and Injury in an Animal Model of Preterm Infants. <i>Blood</i> , 2017, 130, 765-765.	0.6	0
108	Associated Co-Morbidities, Healthcare Utilization, and Mortality in Hospitalized Children and Adults with Hemophilia in the United States: Updated Nationally Representative Estimates and a Comparative Analysis. <i>Blood</i> , 2019, 134, 4711-4711.	0.6	0

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109	Pediatric blood banking principles and transfusion medicine practices. , 2022, , 749-765.		0
110	Pediatric massive transfusion protocols applied to intraoperative complications of common pediatric surgeries. Journal of Pediatric Surgery, 2022, , .	0.8	0